Carostine

Michigan Department of Environmental Quality ~ Water Resources Division

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I – General Information

for App	ction I shall be completed by all perr completing Section I, Pages 1 and pendix. To submit additional informat ASE TYPE OR PRINT	1 2, are on Page 2 of the	Bacolot	esources C Only #/4/	Q(x)		00-42203-9512-481000-00	
	NPDES PERMIT NUMBER	MI0001848	Permit ID	. <i>10</i> 5	30'	Z.		
	Applicant Name DTE Electric C	Company						
APPLICANT	Address One Energy Plaza			Address 2 or P.O. Box Room 655 G.O.			G.O.	
APPI	^{City} Detroit		State Mic	higan		ZIP Code 48226		
7	Telephone (with area code) (313) 235-5569	FAX (with area (313)	code) -235-5018			Applicant Web Site Add www.dteenergy.co		
	Facility Name 1 Monroe Power	Plant					•	
	Facility Name 2	· · · · · · · · · · · · · · · · · · ·						
Ľ	Facility Name 3							
FACILITY	Street Address (Do not use a P.O. B	Box Number) 3500 Fro	ont Street					
ė	City Monroe	3300110	Clata	higan		ZIP Code 48161		
	Telephone (with area code)	FAX (with area	code)		lity Web	/eb Site Address		
	(734) 384-2207	(734) 384-2100				Last Name	<u></u>	
	Application Contact	Title	Nicholas			Chuey Business		
110 (4.4)	☐ Facility Contact ☐ Discharge Monitoring Reports	Senior Engineer - Address 1	Environme	ental		DTE Energy Corporate Services, LLC Address 2		
	☑ Storm Water Billing	One Energy	Plaza		State	Room 655 G.O.		
	Biosolids Billing	Detroit				Michigan ZIP Code 48226		
Total	NPDES Annual Billing	Telephone (with area code) (313) 235-5569	(313) 23		e-mail address chueyn@dteenergy.com			
dente de dente dente dente dente dente dente dente dente dente dente de de de de de de de de de de de de de	☐ Application Contact	First Name Inderpal				Last Name Deol		
ę	🗵 Facility Contact 🛩	Title Plant Manager				Business DTE Electric Company	- Monroe Power Plant	
CONTACTS	☐ Discharge Monitoring Reports ☐ Storm Water Billing	Address 1 3500 Front S	treet			Address 2	•	
9	☐ Biosolids Billing	City Monroe			State	Michigan	ZIP Code 48161	
	NPDES Annual Billing	Telephone (with area code) (734) 384-2207	Fax Numbe (734) 38	er 4-2100	e-mail a	address deoli@dteenerg	v.com	
2443-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-20 2453-2	Application Contest	First Name Atira	<u> </u>	·	<u> </u>	Last Name Mabin		
	☐ Application Contact☐ Facility Contact	Title Staff Engineer - E	Environmer	ıtal		Business DTE Energy Corpora	ate Services, LLC	
	Discharge Monitoring Reports	Address 1 3500 Front S				Address 2	war-read mad	
	☐ Storm Water Billing ☐ Biosolids Billing	City Monroe			State	<u> </u> Michigan	ZIP Code 48161	
	☐ NPDES Annual Billing	Telephone (with area code) (734) 384-2559) Fax Numbe	er	e-mail a	address mabina@dteene	<u>.</u>	

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I - General Information

FACILITY NAME Monroe Power Plant	1	NPDES PERMIT NUMBER MI0001848			
Monroe Power Plant			IVII	.0001848	
 PERMIT ACTION REQUESTED (Check one box or NEW USE. A proposed discharge. EXISTING DISCHARGE that is currently unper REISSUANCE of current permit. MODIFICATION of current permit. Attach a definition. Applications for New Use discharges, Existing Existing Include an increased loading of pollutants to the results. 	rmitted. escription of the proposed Discharges that are curr	ed modification.	and for either Reissuance		
6. RULE 98 – ANTIDEGRADATION REQUIREMENTS					
In accordance with Rule 323.1098 of the Michigan any new or increased loading of pollutants to the specified in Rule 1098, outlined on Pages 8-9 of the	Water Quality Standards e surface waters of the	ls, the applicant is re e state. An Antideg	required to submit an Antide egradation Demonstration m	must contain the information	
Will this discharge be an increased loading of pollut					
☐ Antidegradation Demonstration provided. ☐ In		-	om Antidegradation Demon	stration as indicated below:	
A short-term (weeks to months) or tempor					
☐ Bypasses that are not prohibited by regula ☐ Response actions undertaken to alleviate			ot that may nose an immine	oot and substantial danger to	
the public health or welfare	a release or boundance	INO BIO CHYNOLING	it that may pose an immed	III diru Substantial Gango, G	
☐ Discharges of pollutant quantities from the	a intake water at a facilit	y if the intake and d	discharge are to the same b	ody of water	
Increases in flow at a POTW if the incre specifically limited in the current permit, a	=				
specifically limited in the current permit, a	_	il Ullariyo experio-	III tile tilalactorisado o) Wastewater comocios	
☐ New or increased loading due to DEQ-app		o wet-weather cond	ditions		
☐ Discharges authorized by Certificates of C	•				
☐ Increased loadings within the authorized I		-	ment, except those loading	s that result from actions by	
the permittee that would otherwise require		-	f C and which use	the then 10 nament of the	
☐ Increased loadings of a pollutant which d unused loading capacity that exists at the		Ulative Orientons	Of Concern and which goo	less than to percent of the	
7. ADDITIONAL FACILITY LOCATION INFORMATIO	•	item are on Page 2	of the Appendix.		
Local Unit of Government (LUG) A City of Monroe		LUG e-mail addr			
County		Township	Notes and the second		
Town Range Section	11/4	1/4, 1/4	renchtown Private (French) Land Cla	oim.	
C. T7S Range R9E Section 1	15	_	Private (French) Land C.S.	um	
D. Latitude 41 deg. 53' 30"		Longitude 8	83 deg. 20' 45"		
8. CERTIFIED OPERATOR					
Does the facility have a DEQ-certified operator?	🛚 Yes 🔲 No	Instructions for th	his item are on Page 2 of the	ne Appendix.	
First Name Arnell	<u> </u>	Last Name	Smith		
Certification Number		Certification Clas			
W-6275		A1b, A1	1d, A1h, A2b, B1b, B2a	a, B2c	
Address 1 3500 Front Street			·		
City			State Michigan	Zip Code 48161	
Telephone Number Fax Nu (734) 384-2235 (734)	umber 34) 384-2237	e-mail address	mithaj@dteenergy.com		
(104) 007-2200 (10	+/ 307-2201		minaj@diccnorgy.com	<u>'</u>	

DTE Electric Company One Energy Plaza, Detroit, MI 48226

DTE Energy



April 4, 2014

Michigan Department of Environmental Quality Cashier's Office WRD – NP1 5th Floor South, Constitution Hall 525 West Allegan Lansing, Michigan 48933

Re: Application for Reissuance of NPDES Permit DTE Electric Company - Monroe Power Plant NPDES Permit No. MI0001848

Dear Madam or Sir:

In accordance with the Michigan Department of Environmental Quality Authorization to Discharge under NPDES Permit No. MI0001848, the DTE Electric Company is submitting the enclosed application for the reissuance. Also enclosed is the associated \$750.00 application fee.

The Company would appreciate your expeditious review of this application and an acknowledgement of its receipt and administrative completeness as soon as practical.

If you have any questions relative to this application or desire additional information, please contact me at (313) 235-5569 or via e-mail at chueyn@dteenergy.com.

Sincerely,

DTE Energy Corporate Services, LLC

Nicholas J. Chury

Nicholas J. Chuey

Senior Environmental Engineer

Environmental Management & Resources

Enclosures

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WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I - General Information

NPDES PERMIT NUMBER

PLEASE TYPE OR PRINT

FACILITY NAME

	Monroe Power Plant		MI0001848
9.	OTHER ENVIRONMENTAL PERMITS Provide the information requested below for any other federal this Application, including, but not limited to, permits issumangement, Wetlands Protection, Soil Erosion and Sedim Page ii, Item 3.	ed under any of the following programs:	Air Pollution Control, Hazardous Waste
	Issuing Agency	Permit or COC Number	Permit Type
	MDEQ, Air Quality Division	MI-ROP-B2816-2009a MI-PTI-B2816-2009a	Renewable Operating Permit Source-Wide Permit to Install
	MDEQ - Waste Management Division	9201	Solid Waste Mgmt License
	MDEQ - Waste Management Division	MID092175074	ID Number for Waste Disposal

10. WATER FLOW DIAGRAM AND NARRATIVE DESCRIPTION

Provide a flow diagram (using 8½" x 11" paper if possible) and a narrative description that explains the diagram. The diagram should show the wastewater flow through the facility (from intake through discharge), including all processes, treatment units, including any lagoons or ponds (lagoon / pond construction and liner information should be included) used for wastewater treatment or storage (identify treatment units that operate intermittently), and bypass piping. Show all operations contributing wastewater and the locations of flow meters, chemical feeds, and monitoring and discharge points. The water balance shall show the daily average flow rates at the intake and discharge points, and approximate daily flow rates between treatment units, including influent and treatment rates. Use actual measurements whenever available, otherwise use the best estimate. Show all significant losses of water to products, atmosphere, and discharge. In addition, provide a flow diagram for any storm water discharges from secondary structures that are required by state or federal law and for storm water runoff from any Site of Environmental Contamination, pursuant to Part 201 of the Michigan Act. Do not send blueprints. Provide black-and-white reproducible diagrams.

Municipal Facilities – Include a namative that briefly describes the history of the wastewater treatment facility and collection system, including the initial construction, facility improvements, future plans for upgrade, location of all constructed emergency overflows, and other pertinent information.

Industrial and Commercial Facilities – The diagram shall include all operations contributing wastewater, including process and production areas, sanitary flows, cooling water, and storm water runoff. Include a narrative that provides a brief description of the nature of the business and the manufacturing processes.

ATTACH THIS INFORMATION TO THIS APPLICATION. PLEASE DO NOT BIND THIS INFORMATION. Comments:

11. MAP OF FACILITY AND DISCHARGE LOCATION

Provide a detailed black-and-white reproducible map on 8½" x 11° paper showing the location of the existing or proposed facility, wastewater and biosolids treatment system(s), water intakes, wastewater monitoring, and wastewater discharge points into receiving waters (including bypasses). Include the exact location of the water intakes, wastewater monitoring and discharge point(s) and, if applicable, all areas through which the discharge flows (e.g., wetlands, open drains, storm sewers) between the discharge point and the receiving water. If the discharge is to a storm sewer, labet the storm sewer and show its flow path to the receiving water. Also include the location of any water supply intakes or wells and groundwater monitoring wells. This map shall be a United States Geological Survey quadrangle (7.5 minute series) or other map of comparable detail, scale, and quality (which shows surface water bodies, roads, bathing beaches, and other pertinent landmarks). It is preferred that the minimum area this map shall encompass be approximately one (1) mile beyond the property boundaries.

ATTACH THIS INFORMATION TO THIS APPLICATION. Comments:

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION ! - General Information

PLEASE TYPE OR PRINT

FACILITY NAME	Monroe Po	wer Plant		NPDES PER	RMIT NUMBE	R	MIO	001848
	and address	of each contra	DE ANALYTICAL SUPPO act laboratory or consulti n 3.		formed any a	nalyses subn	nitted as part	of this Application. To
Laboratory Name Tri	Matrix Lat	oratories, In	C.	Laboratory Name				
Street Address 5560 Corporate Exchange Court SE			Street Address					
City State ZIP Code Grand Rapids Michigan 49512				City		State		ZIP Code
Telephone (with area code) Fax (with area code) (616) 975-4500 (616) 942-7463			Telephone (v	with area code	e)	Fax (with are	ea code)	
Analysis Danfarand	E ATTAC	<u> </u>	SES ON ATT. IV	Analysis Per	formed			
Laboratory Name				Laboratory N	lame			
Street Address	•			Street Addre	ess			
City	State		ZIP Code	City		State		ZIP Code
Telephone (with area co	ide)	Fax (with area	code)	Telephone (v	with area code	e)	Fax (with are	ea code)
Analysis Performed				Analysis Performed				
	d mailing ac empty buildi	Idresses of all p	oroperty owners for all p owner's mailing address Address	-		-	-	•
			Address			<u> </u>	T Guate	Zii Oodo
See Attachment \	V				 			
<u> </u>					 			
					<u> </u>			
			_					
						,		
	_							

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I - General Information

FACILITY NAME	Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	
	N CERTIFICATION 4(1-4), promulgated under the Michigan Ac	of, requires that this Application must be algred as follows:	.,
B. For a par C. For a mu	tnership, by a general partner e proprietor, by the proprietor	uthority, by a principal executive office, vice president, or higher	illage þrésidént,
Note: If the	signalory is not listed above, but is authorize	æd to sign the Application, please provide documentation of that authorizatio	ņ.
designed to a who manage knowledge a possibility of i	assure that qualified personnel property ga the system, or those persons directly in nd belief, true, accurate, and complete. I fine and imprisonment for having knowledg		erson or persons the best of my
The last Appl	ication for this facility was submitted on:	April 2, 2009	
l understand of law that t	I that my signature constitutes a legal a possess full authority on behalf of the l	greement to comply with the requirements of the NPDES Permit. I certi egal owner/permittee to sign and submit this Application.	fy under penalty
Print Name	Inderpal K. Deol	Tille Plant Manager	

This completes Section I. Publicly-Owned Treatment Works discharging sanitary and industrial wastewater to the surface waters, and privately-owned freatment works discharging sanitary wastewater to the surface waters should complete Section II. Privately-owned treatment works include, but are not limited to, Mobile Home Parks, Campgrounds, Condominiums, Hotels and Motels, and Nursing Homes. All other applicants should complete Section III. If assistance is needed to complete this Application, contact the Permits Section.

Permit Application Submittal Checklist

Please confirm the following before submitting the Application:

- It is section? I has been completed, including all diagrams, maps, and the treatment process narrative.
- In a signature of the letter authorizing the signature to signature to signature to sign the letter authorizing the signature to sign the letter has been included, as appropriate.
- I 3. Section if or Section ill has been completed, including any additional information or submissions,
- KI 4. Section IV has been completed by any facility that discharges storm water.
- ☐ 5. Section V has been completed by any facility that is a Concentrated Animal Feeding Operation.
- ☑ 6. Section VI has been completed by any facility that has Cooling Water Intake Structures.
- M 7. A check or money order for the appropriate application fee has been made out to the "State of Michigan" and has been included with the Application submittal.
- M 8. E-mail addressès have been provided.

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	•			
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WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

Section III is to be completed by all facilities classified as Industrial or Commercial facilities. Industrial and Commercial facilities include, but are not limited to, facilities that discharge or propose to discharge a wastewater generated by a production process, a service provided, or through a remediation project. Municipal and public facilities are not required to complete Section III (unless requesting authorization for discharges other than sanitary wastewater).

A. Facility Information

PLEASE TYPE OR PRINT							
FACILITY NAME Monroe Pov	ver Plant		NPDES PERMIT NUMBER MI0001848				
			n American Industry Classific rovided by this facility	cation System (NAICS) co	odes, in order of economic	;	
1. 4911	2.		3.	4.			
B. Indicate if this facility is a primary industry (refer to Table 1 of the Appendix to determine if this facility is a primary industry). Yes. This facility is a primary industry. Indicate the primary industry as identified in Table 1 of the Appendix: No. This facility is not a primary industry.							
supply meter readir	ources entering the facings, pump capacities, of it additional information	etc. Provide the name , see Page ii, Item 3.	ems, and provide average f	ppriate (i.e., Grand River,	Lake Michigan, City of,		
	Name and L	ocation of Source	Average von	ıme or Flow Rate	Units		
Municipal Supply	City of Monroe		1.0	1.0			
Surface Water Intake	River Raisin, Lake	Erie	1,550	1,550			
Private Well							
Other:	Precipitation		6		MGD		
subsequently used cooling water and t	for another purpose, in hen for process water, age. If the amounts are	idicate the type and a indicate the amount of different, provide an e	and provide average flows. mount of the last use. For f process water. The amou xplanation.	example, if water is initi nt of water from sources	ally used for noncontact should approximate the		
	Average Flow Rate	Units		Average Flow Rate	Units		
Process Wastewater	20.9	MGD	Sanitary Wastewater	50,000	GPD		
Contact Cooling Water			Regulated Storm Water	4	MGD		
Noncontact Cooling Water	1,501	MGD	High Pressure Test Water				
Groundwater Cleanup			Other:				
Note: For A. and B. above, in unit.	ndicate units as MGD (r	million gallons per day)	, MGY (million gallons per ye	ear), GPD (gallons per da	y), or other appropriate		

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

Complete a separate Section III.B. – Outfall Information (Pages 19-24) for each outfall at the facility. Make copies of this blank section of the Application as necessary for additional outfalls.

PLEASE	TYPE OR PRINT								
Monroe Power Plant					NPDES PERMIT NUMBER OUTFALL NUMBER MI0001848 001				
1. OU	TFALL INFORMATIO	N. Instructions	for this item are or	Page 3 of the	Appendix.				
A.	Receiving Water	_ake Erie			Hydrologic Unit Code 04100002				
В.	County Monro	e			Township Frenchtown				
C.	Town T7S	Range R9E	Section 15	1/4	1/4, 1/4	Private (French) Land Claim			
D.	Latitude 41.876	399	_		Longitude	-83.352821			
E.					Storm Wat	er - not regulated 🛮 🗓 Electric Power Genera			
F.	The Maximum Desig								
G H.	What is the Maximu Flow for this outfall to Seasonal Discharge List the discharge p	for the next five	years?	Continuo		MGY (Continue with It			
	From		Through		F	Actual Discharge Volume (M	MGD) Annual Total		
	From		Through		F	Actual Discharge Volume (M	(IGD)		
	From		Through		, , , , , , , , , , , , , , , , , , ,	(IGD)			
	From		Through		1	MGD)			
1.	How often is there a discharge from this outfall (on average)? Batch dischargers are required to provide the following addition is there effluent flow equalization?				24 Hours/Day al information: of batches discharge	ed per day:	Maximum		
	Batch Volume (gal	ilons)	MINIMUM	Т	Averag		Maximum		
,	Batch Duration (m	ninutes)							

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE	OR PRINT		
FACILITY NAME	onroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 001
Federal reg determine t Industry Ty facility. Fac the wastest	STREAMS CONTRIBUTING TO OUTFALL DISCHARGE ulations require that different industries report different inform the applicable federal regulations for this facility. An abbreving section of the Appendix. Applicants are required to prolifities with production-based limits must report an estimated aream is not regulated under federal categorical standards, to be present in the discharge. To submit additional information	riated list is on Page 11 in the 'Summary of Inforr ovide the name and the SIC or the NAICS code annual production rate for the next five (5) years o the applicant is required to report all poliutants wh	nation to be reported by for each process at the r the life of the permit. If
A. Name B. SIC or C. Descri	INFORMATION of the process contributing to the discharge: NAICS code: 4911 be the process and provide measures of production: Non-cost equipment cooling. Maximum discharge estimates	ontact cooling water used for steam conde	ensation and
A. Name B. SIC or	ESS INFORMATION of the process contributing to the discharge: Bottom Ash NAICS code: 4911		
and non-chem transport wate	be the process and provide measures of production.Collect ical metal cleaning wastes, treated flue gas desul r. oily wastewater. low volume wastes and storm v	furization wastewater & pre-treatment sys	tem backwash, fly ash
A. Name	INFORMATION of the process contributing to the discharge: NAICS code: 4911	ation Regeneration - MP 001D	
	be the process and provide measures of production: Regens. Maximum discharge estimated at 1.5 MGD.	eration wastes from the plant's feedwater	make-up
A. Name	ESS INFORMATION of the process contributing to the discharge: Fly Ash Trail NAICS code: 4911	nsport Water - MP 001F	
C. Descri	be the process and provide measures of production: Water charge estimated at 19.4 MGD.	used to transport fly ash to an on-site lice	nsed monofill.
	ESS INFORMATION of the process contributing to the discharge:		
	NAICS code:		
C. Descri	be the process and provide measures of production:		

Michigan Department of Environmental Quality – Water Resources Division WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLÉASE TYPE	OR PRINT								
FACILITY NA		NPDES PERMIT NUMBER MI0001848	OUTFALI	OUTFALL NUMBER 001					
3. EFI	3. EFFLUENT CHARACTERISTICS - CONVENTIONAL POLLUTANTS. Instructions for this item are on Page 4 of the Appendix.								
⊠ Che	ck this box if additional information is include	ed as an attachme	nf. To submit additional information, see Pa	ge ii, Item 3.					
	Nation But 1990 4000 allege the upp of either	s Casharinhia asli	or Fecal Coliform Bacteria as an indicator th	at affluent has he	on disinfected. The D	IFO will use the inc	licator selecte	d below in the	
	Note: Rule 323,1062 allows the use of either such based on this Application. Use E			Fecal Coliform Ba	acteria as an indicator	of disinfection.			
Submitted				Maximum	Maximum		Nomber		
via DMRs	Walver Request and the			Montaly	Daily		of .		
ore-DMRs	Rationale Bellind the Request		Parameter	Concentration	Concentration	Units	Analyses	Sample Type Grab	
		Biochemical Oxy	/gen Demand – five day (BOD₅)			mg/f		24-Hr Comp	
		Chamiaal Owigo	n Demand (COD)			mg/l		☐ Grab	
<u> </u>		Chemical Oxyge	n Demand (COD)		 	· · · · ·		24-Hr Comp	
	i '	Total Organic Ca	arbon (TOC)			mg/l		Grab 24-Hr Comp	
	~					mg/l		Grab	
		Ammonia Nitrog	en (as N)			nig/i		24-Hr Comp	
		Total Suspende	d Solids			mg/i		Grab 24-Hr Comp	
	Waiver Request Not Required	Total Dissolved	Solids			mg/l		☐ Grab ☐ 24-Hr Comp	
	Waiver Request Not Required	Total Phosphore	us (as P)			mg/l		Grab 24-Hr Comp	
	Walver Request Not Required	Fecal Coliform 6	Bacteria (report geometric means)		Maximum 7-day	counts/100ml		Grab	
	Waiver Request Not Required	Escherichia coli	(report geometric means)		Maximum 7-day	counts/100 ml		Grab	
Ø	Waiver Request Not Required	Total Residual 0	Chlorine			□ mg/l □ μg/l	_	Grab	
	Walver Request Not Required	Dissolved Oxygo	en	De Not Use	Minimum Daily	mg/i		Grab	
×		pH (report maxir	mum and minimum of individual samplas)	Minimum	Maximum	standard units		Grab	
20		Temperature, S	ummer			□ *F □ *C		Grab	
X)		Temperature, W	finter			□ °F □ °C		Grab	
N X	Waiver Request Not Required	Oil & Grease				mg/l		Grab	

EQP 4659-C (Rev. 7/2013)

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NAME

Monroe Power Plant

NPDES PERMIT NUMBER MI0001848 OUTFALL NUMBER

001

Note: For questions on this page, Tables 1 - 5 are found in the Appendix.

4. PRIMARY INDUSTRY PRIORITY POLLUTANT INFORMATION

Existing primary industries that discharge process wastewater are required to submit the results of at least one permittee-collected effluent analysis for <u>selected</u> organic pollutants identified in Table 2 (as determined from Table 1, Testing Requirements for Organic Toxic Pollutants by Industrial Category), and all of the pollutants identified in Table 3. Existing primary industries are required to also provide the results of at least one permittee-collected effluent analysis for any other chemical listed in Table 2 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3,

New primary industries that propose to discharge process wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

5. DIOXIN AND FURAN CONGENER INFORMATION

Existing industries that use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid, (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon), 0,0-dimethyl 0-(2,4,5-trichlorophenoyl) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, are required to submit the results of at least one effluent analysis for the dioxin and furan congeners listed in Table 6. All effluent analyses for dioxin and furan congeners shall be conducted using USEPA Method 1613.

In addition, submit the results of all other effluent analyses performed within the last three years for any dioxin and furan congener listed in Table 6.

New industries that expect to use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, shall provide estimated effluent concentrations for the dioxin and furan congeners listed in Table 6.

6. OTHER INDUSTRY PRIORITY POLLUTANT INFORMATION

Existing secondary industries or existing primary industries that discharge nonprocess wastewater are required to submit the results of at least one effluent analysis for any chemical listed in Tables 2 and 3 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3.

New secondary industries or new primary industries that propose to discharge nonprocess wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

7. ADDITIONAL TOXIC AND OTHER POLLUTANT INFORMATION

All existing industries, regardless of discharge type, are required to provide the results of at least one analysis for any chemical listed in Table 4 known or believed to be present in the facility's effluent, and a measured or estimated effluent concentration for any chemical listed in Table 5 known or believed to be present in the facility's effluent. In addition, submit the results of any effluent analysis performed within the last three years for any chemical listed in Tables 4 and 5.

New industries, regardless of discharge type, are required to provide an estimated effluent concentration for any chemical listed in Tables 4 and 5 expected to be present in the facility's effluent.

8. INJURIOUS CHEMICALS NOT PREVIOUSLY REPORTED

New or existing industries, regardless of discharge type, are required to provide a measured or estimated effluent concentration for any toxic or otherwise injunous chemicals known or believed to be present in the facility's effluent that have not been previously identified in this Application. Quantitative effluent data for these chemicals that is less than five years old shall be reported.

NOTE: All effluent data submitted in response to questions 4, 5, 6, 7, and 8 above should be recorded on Page 23. To submit additional information, see Page ii, Item 3. If the effluent concentrations are estimated, place an "E" in the "Analytical Method" column. The following fields shall be completed for each data row: Parameter, CAS No., Concentration(s), Sample Type, and Analytical Method. For analytical test requirements, see Page ii, Item 5. Tables 1, 2, and 3 can be found in the Appendix.

If Alternate Test Procedures have been approved for any parameter listed above (Items 4. through 8.), see Page ii, Item 5. for additional instructions.

Michigan Department of Environmental Quality – Water Resources Division WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NA	ME Monroe Power Plant	NPDES PERMIT NUMBER MI0001848				OUTFALL NUMBER 001		
Submitted		VIPLE DATE ->						
via DMRs or e-DMRs	PARAMETER	CAS No.	Conc. (µg/l)	Conc. (µg/l)	Conc. (µg/l)	Conc. (µg/l)	Sample Type	Analytical Method
	See Attachment IV							
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WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLE	ASE TYPE OR PRINT		
FA	CILITY NAME Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 001
9.	WATER TREATMENT ADDITIVES Water treatment additives include any material that is added to water treat the water.	used at the facility or to wastewater generated by t	he facility to condition or
	Approvals of water treatment additives are authorized by the DEQ und constitute approval of the water treatment additives that are included in the second constitute approval of the water treatment additives that are included in the second constitute.	•	NPDES permit does not
	A. Are there water treatment additives in the discharge from this facility	?	
	☑ Yes.		
	No. Proceed to Item 10.		
	B. Have these water treatment additives been previously approved?		
	Yes. Submit a list of the previously-approved water treatment additi- ltem C., Items 1. – 8. shall be updated if it has changed since the pr		e information listed in
	☐ No. Continue with Item C.		
	Submit a list of water treatment additives that are or may be discharged below for each additive.	ged from the facility. Applicants are required to sub	mit the information listed
	The water treatment additive Material Safety Data Sheet		
	2. The proposed water treatment additive discharge concentration		
	3. The discharge frequency (i.e., number of hours per day, week)		
	4. The outfall from which the water treatment additive is to be discharged.	ged	
	5. The type of removal treatment, if any, that the water treatment addi	tive receives prior to discharge	
	6. The water treatment additive function (i.e., microbiocide, flocculant))	
	7. A 48-hour LC50 or EC50 for a North American freshwater planktoni	ic crustacean (either <i>Ceriodaphnia</i> sp., <i>Daphnia</i> sp.	, or Simocephalus sp.)
	 The results of a toxicity test for one other North American freshwate requirement of Rule 323.1057(2)(a) of the Water Quality Standards for rainbow trout, bluegill, or fathead minnow. 		
	The required toxicity information (described in Items 7, and 8, above) treatment additives listed on the DEQ's Internet page. To access that bottom of the right column under Water Quality Monitoring , click on the Water Treatment Additive List. If you intend to use one of the water above needs to be submitted to the Water Resources Division. Note: constitute approval to discharge the water treatment additive. Comment	t information, go to http://www.michigan.gov/deq, of Assessment of Michigan Waters. Under the Inforrer for treatment additives on this list, only the information. The availability of toxicity information for a water tre	click on Site Map, at the mation heading, click on on in Items 1. through 6.
Hav If ye	WHOLE EFFLUENT TOXICITY (WET) TESTS re any acute or chronic WET tests been conducted on any discharges or rest, identify the tests and summarize the results on a separate sheet, unlessistance with WET testing, see "Whole Effluent Toxicity Test Guidance and	ss the test has been submitted to the DEQ in the las	st three (3) years. For

This completes Section III. Return the completed Application (Sections I, III, IV, VI [if applicable], and any attachments) to one of the addresses on Page ii of this Application. If assistance is needed to complete this Application, contact the Permits Section.

Attachment VI

Outfall 001

DTE Electric Company: Monroe Power Plant - 2014 NPDES Permit Application No. MI0001848 Section III, Item 9 - Water Treatment Additives

The following Water Treatment Additives (WTA) were approved for use in the Monroe Power Plant flue gas desulfurization (FGD) system:

Chemical	Function	Monitoring	Discharge	Approval Date	Notes
		Point	Concentration		
ACUTREAT 4074	Polymer (cationic)	001A	3 ng/L	June 4, 2009	The request for these
ACUTREAT 4213	Clarifying Aid	001A	16 ug/L	June 4, 2009	WTAs, dated
ACUTREAT 4533	ionic)	001A	2 ug/l	June 4, 2009	5/26/09, was for FGD
ACUMET 4150	Precipitant	001A	76 ug/L	June 4, 2009	operations.
ACUMET 4150	Precipitant	001A	124.8 ng/L	March 13, 2014	The request for these
ACUMET 4165	Precipitant	001A	164.2 ng/L	March 13, 2014	WTAs, dated
ACUTREAT 258	Oxidizer/Neutralizer	001A	164.2 ng/L	March 13, 2014	2/27/14, was for a
ACUTREAT 262	Precipitant	001A	273.7 ng/L	March 13, 2014	FGD pilot test.
ACUTREAT 4533	Flocculation	001A	1/30 ng/L	March 13, 2014	

The Company does not have record of a separate letter of approval for the WTAs listed below. However, previous NPDES permit renewal applications identified these WTAs:

Chemical	Function	Monitoring Point	Monitoring Method Permit Limit	Permit Limit
Chlorine	biocide	001A	TRC	38 ug/L Continuous
Chlorine	biocide	001A		200 ug/L Intermittment
Sodium Hydroxide	demineralizer	001A	Hd	6.5 – 9.0
	regenerant			
Sulfuric Acid	demineralizer	001A	Hd	6.5 – 9.0
	regenerant			

TRC = Total Residual Chlorine

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

Complete a separate Section III.B. – Outfall Information (Pages 19 – 24) for each outfall at the facility. Make copies of this blank section of the Application as necessary for additional outfalls.

PLEASE TYPE OR PRINT

FACI	LITY	/ NAME Monroe Power P	ant			NPDES PERMIT NUMBER OUTFAL MI0001848				OUTFALL NUMBER 002
1.	тио	FALL INFORMATION. Instr	uctions for this	item are o	n Page 3 of th	ne A	ppendix.			
,	Α.	Receiving Water Lake E	rie				Hydrologic Unit C	Code 04100	0002	
	В.	County Monroe					Township	Frencl	htown	
,	C.	Town T7S Range	R9E Section	on 15	1/4		1/4, 1/4	Private (French)	Land Clai	m
	D.	Latitude 41,885857	•		•		Longitude	-83.337935		
!	Ε.	Type of Wastewaler Discha	rged (check all	that apply	to this outfall)	:				
		☐ Contact Cooling	☐ G	roundwater	^r Cleanup		☐ Hydrostatio	Pressure Test	□ N	Ioncontact Cooling Water
		☐ Process Wastewater	☐ Sa	anitary Wa	stewater		Storm Wal	er - not regulated	□ s	torm Water - regulated
		Storm water subject to e	effluent guidelin	es (indica	te under whicl	h ca	tegory): Steam	Electric Power	Generat	tion
		Others (see Table 8 − C	ther Common	Types of V	Vastewater on	Pa	ge 17 in the Appen	_{dix)} Fish Transp	port Sys	tem
	F.	The Maximum Design Flow	Rate for this ou	utfall is: 16	6.71 MGD					
,	G What is the Maximum Authorized Daily Discharge Flow for this outfall for the next five years? Seasonal Dischargers MGY (Continue with Item H.) Continuous Dischargers 16.71 MGD (Continue with Item I.)									
	Н.	Seasonal Discharge:								
		List the discharge periods (I	y month) and t	he volume	discharged in	the	e space provided be	elow.		
		From		Through			<i> +</i>	Actual Discharge V	olume (MC	GD) Annual Total
		From		Through				Actual Discharge Volume (MGD)		GD)
		From		Through			1	Actual Discharge Volume (MGD)		GD)
		From		Through	ı		F	Actual Discharge Vi	olume (M0	GD)
	l.	Continuous Discharge: How often is there a dischar Batch dischargers are req Is there effluent flow equaliz Batch Peak Flow Rate:	uired to provid	,	owing addition	onal		<u>365</u> Days∕Yea		
				B Clar				_		
		Batch Volume (gallons)	· 7	Minimum	<u> </u>	T	Averag	le l		Maximum
		Batch Duration (minutes)	 			╀				
		Dateit Datation (tillingles)				L				

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NAME Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 002
2. PROCESS STREAMS CONTRIBUTING TO OUTFALL DISCHARGE Federal regulations require that different industries report different information determine the applicable federal regulations for this facility. An abbreve Industry Type' section of the Appendix. Applicants are required to prefacility. Facilities with production-based limits must report an estimated the wastestream is not regulated under federal categorical standards, to potential to be present in the discharge. To submit additional information.	viated list is on Page 11 in the 'Summary of Inform ovide the name and the SIC or the NAICS code annual production rate for the next five (5) years of the applicant is required to report all pollutants whi	nation to be reported by for each process at the the life of the permit. If
PROCESS INFORMATION A. Name of the process contributing to the discharge: Fish Transport B. SIC or NAICS code: 4911 C. Describe the process and provide measures of production: Collect the River Raisin. Maximum amount of discharge is unspecified.	s storm water run off from the electrical m	at and discharges to
PROCESS INFORMATION A. Name of the process contributing to the discharge: B. SIC or NAICS code: C. Describe the process and provide measures of production:		
PROCESS INFORMATION A. Name of the process contributing to the discharge: B. SIC or NAICS code: C. Describe the process and provide measures of production:		
PROCESS INFORMATION A. Name of the process contributing to the discharge: B. SIC or NAICS code: C. Describe the process and provide measures of production:		
PROCESS INFORMATION A. Name of the process contributing to the discharge: B. SIC or NAICS code: C. Describe the process and provide measures of production:	·	

Michigan Department of Environmental Quality – Water Resources Division WASTEWATER DISCHARGE PERMIT APPLICATION SECTION III – Industrial and Commercial Wastewater B. Outfall Information

	LEASE TYPE OR PRINT										
FACILITY NA	Monroe Power Plant		NPDES PERMIT NUMBER MIOO01848	OUTFALL	NUMBER	002		_			
3. EFI	FLUENT CHARACTERISTICS - CONVENT	IONAL POLLUTA	NTS: Instructions for this item are on Page 4	f of the Appendix.							
X Che	ck this box if additional information is include	ed as an attachme	nt. To submit additional information, see Pa	ige ii, Item 3.							
,	V-4 D-4- 000 4000 -II II II II										
	sued based on this Application. Use E		or Fecal Coliform Bacteria as an indicator that an indicator of disinfection.	e Fecal Coliform Bac			licator selecte	d below in the			
Submitted				Maximum	Maximum		Number				
via DMRs	Waiver Request and the		gra grave de trava de dece	Monthly	Daily		of				
ore-DMRs	Rationale Behind the Request		Parameter	Concentration	Concentration	Units	Analyses	Sample Type			
	See Waiver Request -	Biochemical Oxy	∕gen Demand – five day (BOD₅)			mg/l		☐ Grab ☐ 24-Hr Comp			
	Attachment VII	Chamias I Ourse	n Demand (COD)					Grab			
		Chemical Oxyge	en Demand (COD)			mg/l		24-Hr Comp			
		Total Organic Ca	arbon (TOC)			mg/i		☐ Grab			
								☐ 24-Hr Comp			
		Ammonia Nitrog	en (as N)			mg/l		☐ Grab			
		Total Suspender	d Calida					Grab			
L-J		Total Suspende	a Solids			mg/i		24-Hr Comp			
	Waiver Request Not Required	Total Dissolved	Solids			mg/l		☐ Grab ☐ 24-Hr Comp			
					_	<u> </u>		☐ 24-Hr Comp			
	Waiver Request Not Required	Total Phosphoru	is (as P)			mg/l		24-Hr Comp			
	Waiver Request Not Required	Fecal Coliform E	Bacteria (report geometric means)		Maximum 7-day	counts/100ml		Grab			
	Waiver Request Not Required	Escherichia coli	(report geometric means)		Maximum 7-day	counts/100 ml		Grab			
	Waiver Request Not Required	Total Residual C	Chiorine			□ mg/i □ µg/l		Grab			
	Waiver Request Not Required	Dissolved Oxyge	en	Do Not Uso	Minimum Daily	mg/l		Grab			
		pH (report maxir	num and minimum of individual samples)	Minimum	Maximum	standard units		Grab			
		Temperalure, Si	ummer			☐ °F ☐ °C		Grab			
		Temperature, W	finter			□°F □ °C		Grab			
	Waiver Request Not Required	Oil & Grease				mg/l		Grab			

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NAME

NPDES PERMIT NUMBER
Monroe Power Plant MI0001848

OUTFALL NUMBER

002

Note: For questions on this page, Tables 1 - 5 are found in the Appendix.

4. PRIMARY INDUSTRY PRIORITY POLLUTANT INFORMATION

Existing primary industries that discharge process wastewater are required to submit the results of at least one permittee-collected effluent analysis for <u>selected</u> organic pollutants identified in Table 2 (as determined from Table 1, Testing Requirements for Organic Toxic Pollutants by Industrial Category), and all of the pollutants identified in Table 3. Existing primary industries are required to also provide the results of at least one permittee-collected effluent analysis for any other chemical listed in Table 2 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3.

New primary industries that propose to discharge process wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

5. DIOXIN AND FURAN CONGENER INFORMATION

Existing industries that use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid, (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, are required to submit the results of at least one effluent analysis for the dioxin and furan congeners listed in Table 6. All effluent analyses for dioxin and furan congeners shall be conducted using USEPA Method 1613.

In addition, submit the results of all other effluent analyses performed within the last three years for any dioxin and furan congener listed in Table 6.

New industries that expect to use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, shall provide estimated effluent concentrations for the dioxin and furan congeners listed in Table 6.

6. OTHER INDUSTRY PRIORITY POLLUTANT INFORMATION

Existing secondary industries or existing primary industries that discharge nonprocess wastewater are required to submit the results of at least one effluent analysis for any chemical listed in Tables 2 and 3 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3.

New secondary industries or new primary industries that propose to discharge nonprocess wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

7. ADDITIONAL TOXIC AND OTHER POLLUTANT INFORMATION

All existing industries, regardless of discharge type, are required to provide the results of at least one analysis for any chemical listed in Table 4 known or believed to be present in the facility's effluent, and a measured or estimated effluent concentration for any chemical listed in Table 5 known or believed to be present in the facility's effluent. In addition, submit the results of any effluent analysis performed within the last three years for any chemical listed in Tables 4 and 5.

New industries, regardless of discharge type, are required to provide an estimated effluent concentration for any chemical listed in Tables 4 and 5 expected to be present in the facility's effluent.

8. INJURIOUS CHEMICALS NOT PREVIOUSLY REPORTED

New or existing industries, regardless of discharge type, are required to provide a measured or estimated effluent concentration for any toxic or otherwise injurious chemicals known or believed to be present in the facility's effluent that have not been previously identified in this Application. Quantitative effluent data for these chemicals that is less than five years old shall be reported.

NOTE: All effluent data submitted in response to questions 4, 5, 6, 7, and 8 above should be recorded on Page 23. To submit additional information, see Page ii, Item 3. If the effluent concentrations are estimated, place an "E" in the "Analytical Method" column. The following fields shall be completed for each data row: Parameter, CAS No., Concentration(s), Sample Type, and Analytical Method. For analytical test requirements, see Page ii, Item 5. Tables 1, 2, and 3 can be found in the Appendix.

If Alternate Test Procedures have been approved for any parameter listed above (Items 4. through 8.), see Page ii, Item 5. for additional instructions.

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NA	Monroe Power Plant		NPDES PERMIT NUMBER MI0001848				OUTFALL NUMBER 002		
Submitted		SAMPLE DATE ->							
via DMRs ore-DMRs	PARAMETER	CAS No.	Conc. (µg/l)	Conc. (µg/l)	Conc. (µg/l)	Cone. (pg/l)	Sample Type	Analytical Method	
	See Attachment VII							-	
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WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLE	ASE	TYPE OR PRI	NT								
FAC	HLIT	Y NAME	Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 002						
9.	Wa		ENT ADDITIVES dditives include any material that is added to water u	used at the facility or to wastewater generated by	the facility to condition or						
			treatment additives are authorized by the DEQ undof the water treatment additives that are included in t		NPDES permit does not						
	Α.	Are there water	treatment additives in the discharge from this facility?	?							
		Yes.									
	K	No. Proceed to	o Item 10.								
	В.	Have these wat	er treatment additives been previously approved?								
			list of the previously-approved water treatment addition 18 . shall be updated if it has changed since the pr		e information listed in						
		No. Continue	with Item C.								
		Submit a list of below for each	water treatment additives that are or πay be discharg additive.	ged from the facility. Applicants are required to sub	mit the information listed						
	The water treatment additive Material Safety Data Sheet										
	2.	The proposed	sed water treatment additive discharge concentration								
	3.	3. The discharge frequency (i.e., number of hours per day, week)									
	4.	The outfall fro	m which the water treatment additive is to be discharg	ged							
	5.	The type of re	moval treatment, if any, that the water treatment addi	tive receives prior to discharge							
	6.	The water trea	atment additive function (i.e., microbiocide, flocculant))							
	7.	A 48-hour LC	50 or EC50 for a North American freshwater planktoni	c crustacean (either <i>Ceriodaphnia</i> sp., <i>Daphnia</i> sp	, or Simocephalus sp.)						
	8.	requirement o	a toxicity test for one other North American freshwate of Rule 323.1057(2)(a) of the Water Quality Standards out, bluegill, or fathead minnow.		•						
	trea bott the abo	The required toxicity information (described in Items 7. and 8. above) is currently available in the Water Resource Division's files for the water treatment additives listed on the DEQ's Internet page. To access that information, go to http://www.michigan.gov/deq, click on Site Map, at the bottom of the right column under Water Quality Monitoring , click on Assessment of Michigan Waters. Under the Information heading, click on the Water Treatment Additive List. If you intend to use one of the water treatment additives on this list, only the information in Items 1. through 6. above needs to be submitted to the Water Resources Division. Note: The availability of toxicity information for a water treatment additive does not constitute approval to discharge the water treatment additive. Comments:									
Hav If ye	e ang es, id	y acute or chror entify the tests	NT TOXICITY (WET) TESTS nic WET tests been conducted on any discharges or r and summarize the results on a separate sheet, unles sting, see "Whole Effluent Toxicity Test Guidance and	s the test has been submitted to the DEQ in the la	st three (3) years. For						

This completes Section III. Return the completed Application (Sections I, III, IV, VI [if applicable], and any attachments) to one of the addresses on Page ii of this Application. If assistance is needed to complete this Application, contact the Permits Section.

Attachment VII

Outfall 002 DTE Electric Company: Monroe Power Plant - 2014 NPDES Permit Application No. MI0001848 Section III, Item 3 – Effluent Characteristics

The Fish Transport System, which provides a by-pass around the plant for fish that collect in front of the plant's intake screens, is designed to pump untreated intake water from the intake screens to Lake Erie. There is no process wastewater or cooling water added to the discharge from the Fish Transport System.

The Company requests a waiver for all of the analytical data normally required by the application since there is no addition of pollutants to this discharge.

NOTE: The Fish Transport System is not currently operational.

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

Complete a separate Section III.B. — Outfall Information (Pages 19-24) for each outfall at the facility. Make copies of this blank section of the Application as necessary for additional outfalls.

	ACILITY NAME Monroe Power Plant OUTFALL INFORMATION. Instructions for this item are on Page:				NPDES PERMIT N MI000184	FALL NUMBER 003		
1. OL	ITFALL INFORMATI	ION. Instructions	for this item are or	n Page 3 of th	e Appendix.		-	·
Α.	Receiving Water	River Raisin			Hydrologic Unit	Code 0410000	02)
В.	County Mont	roe			Township	Frenchto	own	
C.	Town T7S	Range R9E	Section 15	1/4	1/4, 1/4	Private (French) La	nd Claim	
 D.	Latitude 41.89			<u> </u>	Longitude	I -83.345547		
Е.	☐ Contact Coolin ☐ Process Wast ☐ Storm water s	ng tewater subject to effluent	neck all that apply Groundwater Sanitary Was	Cleanup stewater te under which	☐ Hydrosta ☑ Storm W	tic Pressure Test ater - not regulated		ntact Cooling Water Water - regulated
	Others (see T	able 8 - Other Co	ommon Types of W	/astewater on	Page 17 in the Appe	endix)	•	
F.	The Maximum De	sign Flow Rate fo	r this outfall is:	MGD				
G H.	G What is the Maximum Authorized Daily Discharge Seasonal Dischargers MGY (Continue with Item H.) Flow for this outfall for the next five years? Continuous Dischargers MGD (Continue with Item I.) H. Seasonal Discharge: List the discharge periods (by month) and the volume discharged in the space provided below.)
	From		Through			Actual Discharge Volume (MGD) Ar		Annual Total
	From		Through			Actual Discharge Volume (MGD		
	From		Through			Actual Discharge Volume (MGD)		
	From		Through			Actual Discharge Volu	me (MGD)	1
l.		e a discharge from rs are required to ow equalization?	this outfall (on avone provide the folks are as Yes	owing addition No	enal information:		Мах	imum
	Batch Volume (g	gallons)	Minimum		Avera	39 0	iviax	amum
	Batch Duration (
ii	L							

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEAS	E TYPE OR PRINT		
FACILIT	ry NAME Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 003
Fe de Ind fac the	COCESS STREAMS CONTRIBUTING TO OUTFALL DISCHARGE deral regulations require that different industries report different infortermine the applicable federal regulations for this facility. An abbreightstry Type' section of the Appendix. Applicants are required to possibly. Facilities with production-based limits must report an estimated awastestream is not regulated under federal categorical standards, tential to be present in the discharge. To submit additional information	viated list is on Page 11 in the 'Summary of Infor rovide the name and the SIC or the NAICS code annual production rate for the next five (5) years the applicant is required to report all pollutants w	rmation to be reported by e for each process at the or the life of the permit. If
A. B. C.	ROCESS INFORMATION Name of the process contributing to the discharge: Storm Water SIC or NAICS code: 22112 Describe the process and provide measures of production: Collector Raisin. Maximum amount of discharge is unspecified	ts storm water run off from the electrical	mat and discharges to
A. B. C.	PROCESS INFORMATION Name of the process contributing to the discharge: SIC or NAICS code: Describe the process and provide measures of production:		
PF A. B. C.	ROCESS INFORMATION Name of the process contributing to the discharge: SIC or NAICS code: Describe the process and provide measures of production:		
A. B. C.	PROCESS INFORMATION Name of the process contributing to the discharge: SIC or NAICS code: Describe the process and provide measures of production:		
А. В. С.	SIC or NAICS code:		

Michigan Department of Environmental Quality – Water Resources Division WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE	LEASE TYPE OR PRINT										
FACILITY NA	Monroe Power Plant		NPDES PERMIT NUMBER MI0001848	OUTFALL	NUMBER	003					
3. EFI	FLUENT CHARACTERISTICS - CONVENT	IONAL POLLUTAI	NTS. Instructions for this item are on Page 4	of the Appendix.							
XI Che	ck this box if additional information is include	ed as an atlachme	ent. To submit additional information, see Pag	ge ii, Hem 3.							
Please i	Note: Rule 323,1062 allows the use of eithr	er Escherichia coli	or Fecal Coliform Bacteria as an indicator tha	al effluent has bee	n disinfected. The C	EQ will use the inc	dicator sejecte	ed below in the			
	ssued based on this Application. Use E				cteria as an indicator						
Submitted				Maximum	Maximum		Number				
via DMRs ore–DMRs	Walver Request and the Rationale Behind the Request		Parameter	Monthly Concentration	Daily Concentration	Units	of Analyses	Sample Type			
		Biochemical Ox	ygen Demand – five day (BOD ₅)	planet, Many r productive gas a spec		mg/l	***************************************	☐ Grab			
	See Waiver Request -	Diodioinoui 023	Agen penight has any facest	 	<u> </u>		 	☐ 24-Hr Comp			
	Attachment VIII	Chemical Oxyge	en Demand (COD)	1	<u> </u>	mg/l	l!	☐ Grab☐ 24-Hr Comp			
		Total Organic Ca	arbon (TOC)			mg/l		☐ Grab			
		<u> </u>	, ,	 	-	<u> </u>	 	☐ 24-Hr Comp ☐ Grab			
		Ammonia Nitrog	ien (as N)			mg/l		24-Hr Comp			
		Total Suspended	d Solids			mg/l		☐ Grab ☐ 24-Hr Comp			
	Waiver Request Not Required	Total Dissolved	Solids			mg/l		☐ Grab ☐ 24-Hr Comp			
	Waiver Request Not Required	Total Phosphoru	ıs (as P)			mg/l		Grab 24-Hr Comp			
	Walver Request Not Required	Fecal Coliform F	Bacteria (report geometric means)		Maximum 7-day	counts/100ml		Grab			
	Waiver Request Not Required	Escherichia coli	(report geometric means)		Maximum 7-day	counts/100 mí		Grab			
	Waiver Request Not Required	Total Residual C	Chlorine			□ mg/l □ μg/l		Grab			
	Waiver Request Not Required	Dissolved Oxyge	en	Do Not Use	Minimum Daily	mg/l		Grab			
		pH (report maxir	mum and minimum of individual samples)	Minimum	Maximum	standard units		Grab			
		Temperature, Su	ummer			□ °F □ °C		Grab			
		Temperature, W	finter			□°F □°C		Grab			
	Waiver Request Not Required	Oil & Grease				mg/l		Grab			

EQP 4659-C (Rev. 7/2013)

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NAME

NPDES PERMIT NUMBER MI0001848

OUTFALL NUMBER

003

Note: For questions on this page, Tables 1 – 5 are found in the Appendix.

4. PRIMARY INDUSTRY PRIORITY POLLUTANT INFORMATION

Monroe Power Plant

Existing primary industries that discharge process wastewater are required to submit the results of at least one permittee-collected effluent analysis for <u>selected</u> organic pollutants identified in Table 2 (as determined from Table 1, Testing Requirements for Organic Toxic Pollutants by Industrial Category), and all of the pollutants identified in Table 3. Existing primary industries are required to also provide the results of at least one permittee-collected effluent analysis for any other chemical listed in Table 2 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3.

New primary industries that propose to discharge process wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

5. DIOXIN AND FURAN CONGENER INFORMATION

Existing industries that use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid, (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenol) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, are required to submit the results of at least one effluent analysis for the dioxin and furan congeners listed in Table 6. All effluent analyses for dioxin and furan congeners shall be conducted using USEPA Method 1613.

In addition, submit the results of all other effluent analyses performed within the last three years for any dioxin and furan congener listed in Table 6.

New industries that expect to use or manufacture 2,3,5-trichlorophenoxy acetic acid (2,4,5-T); 2-(2,3,5-trichlorophenoxy) propanoic acid (Silvex, 2,3,5-TP); 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenol) phosphorothionate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophrene (HCP), or knows or has reason to believe that 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is present in the facility's effluent, shall provide estimated effluent concentrations for the dioxin and furan congeners listed in Table 6.

6. OTHER INDUSTRY PRIORITY POLLUTANT INFORMATION

Existing secondary industries or existing primary industries that discharge nonprocess wastewater are required to submit the results of at least one effluent analysis for any chemical listed in Tables 2 and 3 known or believed to be present in the facility's effluent.

In addition, submit the results of all other effluent analyses performed within the last three years for any chemical listed in Tables 2 and 3.

New secondary industries or new primary industries that propose to discharge nonprocess wastewater are required to provide an estimated effluent concentration for any chemical listed in Tables 2 and 3 expected to be present in the facility's effluent.

7. ADDITIONAL TOXIC AND OTHER POLLUTANT INFORMATION

All existing industries, regardless of discharge type, are required to provide the results of at least one analysis for any chemical listed in Table 4 known or believed to be present in the facility's effluent, and a measured or estimated effluent concentration for any chemical listed in Table 5 known or believed to be present in the facility's effluent. In addition, submit the results of any effluent analysis performed within the last three years for any chemical listed in Tables 4 and 5.

New industries, regardless of discharge type, are required to provide an estimated effluent concentration for any chemical listed in Tables 4 and 5 expected to be present in the facility's effluent.

8. INJURIOUS CHEMICALS NOT PREVIOUSLY REPORTED

New or existing industries, regardless of discharge type, are required to provide a measured or estimated effluent concentration for any toxic or otherwise injurious chemicals known or believed to be present in the facility's effluent that have not been previously identified in this Application. Quantitative effluent data for these chemicals that is less than five years old shall be reported.

NOTE: All effluent data submitted in response to questions 4, 5, 6, 7, and 8 above should be recorded on Page 23. To submit additional information, see Page ii, Item 3. If the effluent concentrations are estimated, place an "E" in the "Analytical Method" column. The following fields shall be completed for each data row: Parameter, CAS No., Concentration(s), Sample Type, and Analytical Method. For analytical test requirements, see Page ii, Item 5. Tables 1, 2, and 3 can be found in the Appendix.

If Alternate Test Procedures have been approved for any parameter listed above (Items 4, through 8.), see Page ii, Item 5, for additional instructions

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION-III – Industrial and Commercial Wastewater

B. Outfall Information

PLEASE TYPE OR PRINT

FACILITY NA	Monroe Power Plant		NPDES PE MI00018	RMIT NUMBI 348	ER		OUTFALL NUMBER 003		
Submitted		MPLE DATE ->							
via DMRs or e-DMRs	PARAMETER	CAS No.	Conc (µg/l)	Conc. (µg/l)	Conc. (µg/l)	Conc. (µg/l)	Sample Type	Analytical Method	
	See Attachment VIII								
				!					
			4						
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WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION III - Industrial and Commercial Wastewater

B. Outfall Information

PLE	AS	E TYPE OR	PRINT				
FAC	CILIT	TY NAME	Monroe Power Plant	NPDES PERMIT NUMBER MI0001848	OUTFALL NUMBER 003		
9.	W		ATMENT ADDITIVES ent additives include any material that is added to r.	water used at the facility or to wastewater ger	nerated by the facility to condition or		
			water treatment additives are authorized by the D roval of the water treatment additives that are inclu	•	uance of an NPDES permit does not		
	A.	Are there v	water treatment additives in the discharge from this	s facility?			
		Yes.					
	X	No. Proce	eed to Item 10.				
	В.	Have these	e water treatment additives been previously approv	ved?			
			mit a list of the previously-approved water treatmenters 1 8. shall be updated if it has changed sinc				
			nue with Item C.				
	C.		ist of water treatment additives that are or may be each additive.	discharged from the facility. Applicants are req	uired to submit the information listed		
	1.	The wate	er treatment additive Material Safety Data Sheet				
	2. The proposed water treatment additive discharge concentration						
	3.	The disch	harge frequency (i.e., number of hours per day, we	ek)			
	4.	The outfa	all from which the water treatment additive is to be	discharged			
	5.	The type	of removal treatment, if any, that the water treatme	ent additive receives prior to discharge			
	6.	The wate	r treatment additive function (i.e., microbiocide, flo	occulant)			
	7.	A 48-hou	r LC50 or EC50 for a North American freshwater p	lanktonic crustacean (either <i>Ceriodaphnia</i> sp., i	Daphnia sp., or Simocephalus sp.)		
	8. The results of a toxicity test for one other North American freshwater aquatic species (other than a planktonic crustacean) that meets a m requirement of Rule 323.1057(2)(a) of the Water Quality Standards. Examples of tests that would meet this requirement include a 96-hou for rainbow trout, bluegill, or fathead minnow.						
The required toxicity information (described in Items 7. and 8. above) is currently available in the Water Resource Division's files for the treatment additives listed on the DEQ's Internet page. To access that information, go to http://www.michigan.gov/deq, click on Site Map bottom of the right column under Water Quality Monitoring , click on Assessment of Michigan Waters. Under the Information heading, the Water Treatment Additive List. If you intend to use one of the water treatment additives on this list, only the information in Items 1. the above needs to be submitted to the Water Resources Division. Note: The availability of toxicity information for a water treatment additive deconstitute approval to discharge the water treatment additive. Comments:							
	e ar	ny acute or o	LUENT TOXICITY (WET) TESTS chronic WET tests been conducted on any dischar ests and summarize the results on a separate she				

This completes Section III. Return the completed Application (Sections I, III, IV, VI [if applicable], and any attachments) to one of the addresses on Page ii of this Application. If assistance is needed to complete this Application, contact the Permits Section.

assistance with WET testing, see "Whole Effluent Toxicity Test Guidance and Requirements" on Page 17 in the Appendix. Comments:

Attachment VIII

Outfall 003
DTE Electric Company: Monroe Power Plant - 2014
NPDES Permit Application No. MI0001848
Section III, Item 3 – Effluent Characteristics

Outfall 003 discharges an unspecified amount of storm water runoff from the electrical mat at MONPP. The existing NPDES permit allows discharge from Outfall 003, and the only required parameter is an outfall observation on a monthly basis during discharge. The Company believes that an outfall observation continues to be appropriate for the discharge, and that no other parameters are required. Therefore, the Company requests a waiver for all of the analytical data normally required by the application since there is no addition of pollutants from this discharge.

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION IV - Storm Water

PLEASE TYPE OR PRINT

FACILITY NAME		TY NAME Monroe Power Plant		NPDES PERMIT NUMBER MI0001848			
1.	STORM WATER DISCHARGES Facilities must complete Section IV if they are engaged in a regulated "industrial activity" as defined in 40 CFR 122.26(b)(14). See the DEQ Industrial Storm Water website (http://www.michigan.gov/degstormwater then click on Industrial Program) for a complete list of regulated industrial activities. Complete the following questions:						
	Α.	_	storm water	ice waters of the state either directly or through another conveyance (ie. is discharged to a municipal combined storm sewer system, a municipal creatment system, check the "No" box.			
		Yes. Continue to next question. No. STOP: The rest of Section IV does not need	ed to be comp	oleted. No storm water authorization required.			
	В.	excluded from an NPDES Permit if there are no indus	trial activities ements to clai	vater runoff at this facility? Storm water discharge requirements may be or materials exposed to storm water runoff. To qualify, the applicant shall im a condition of "no exposure." These requirements are found in the No dustrial Storm Water website.			
		Yes. Complete the remainder of Section IV.					
	No. STOP: The rest of Section IV does not need to be completed. Complete the NEC Form and submit it with this Application.						
	C.	C. Has the facility developed a SWPPP according to the requirements of the NPDES permit?					
		☐ Yes.					
	☐ No. Note: The applicant must complete this program element to receive storm water discharge authorization.						
	D.	Has the facility performed an investigation to ensure the state?	nere are no ur	nauthorized discharges to the storm sewer system or the surface waters of			
		☐ Yes.					
		<u></u>	ogram eleme	ent to receive storm water discharge authorization.			
	E.	Has the facility implemented the non-structural controls	described in t	the SWPPP?			
		☐ Yes.					
	□ No. Note: The applicant must complete this program element to receive storm water discharge authorization.						
	F.	Have all the structural controls described in the SWPPI	been constru	ucted and put into operation?			
		☐ Yes.					
		No. Note: The applicant must complete this program element to receive storm water discharge authorization.					
	G.	. Does this facility have a certified industrial storm wa measures described in the SWPPP?	iter operator v	who has supervision over the facility's storm water treatment and control			
		☐ Yes					
		Storm Water	Operator Nam	e Certification Number			
		□ No. Note: The applicant must complete this program element to receive storm water discharge authorization.					
	Н.	Is storm water discharged to the surface waters of the apply):	e state or a m	unicipal separate storm sewer system from (SKIP to next question if none			
		Secondary containment structures that are require stored in this area,	ed by state o	r federal law. On a separate page, provide a list of the materials that are			
		Areas identified on Michigan's list of Sites of Envir Act, 1994 PA 451, as amended, Part 201 (formerly		tamination, pursuant to the Natural Resources and Environmental Protection			
		☐ A facility that the DEQ has determined that the sto	rm water discl	harge is a significant contributor of pollutants to surface waters of the state.			
	I.	The storm water from this facility discharges to the follo	wing receiving	y water(s):			
	Аp	Applicants should provide any sample data taken of the storm water discharge as an attachment. To submit additional information, see					
	Pa	age ii, Item 3. See Attachment IX for additional	information.				

Attachment IX

DTE Electric Company: Monroe Power Plant - 2014 NPDES Permit Application No. MI0001848 Section IV – Storm Water Supplemental Information

Historically and currently the storm water at MONPP has, and is, treated through the NPDES system. Therefore, past and current NPDES permits do not include a Storm Water Pollution Prevention Plan (SWPPP). However, the fly ash basin will be converted to a dry monofill in the future to meet the proposed effluent limitation guidelines (ELG) under 40 CFR 423. Activity associated with the future monofill will require a SWPPP. The company is requesting inclusion of SWPPP requirements in the renewed NPDES permit to address this future activity.

WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION VI - Cooling Water Intake Structures

PLEASE TYPE OR PRINT

FA	CILITY NAME Monroe Power Plant	NPDES PERMIT NUMBER MI0001848			
Α.	COOLING WATER INTAKE STRUCTURE				
	Section 316(b) of the Federal Act requires that the location, design, construct best technology available (BTA) for minimizing adverse environmental impact existing facility utilizing a cooling water intake structure shall submit information than two million gallons per day and (2) the facility uses at least twenty-five particles.	cts [impingement mortality (IM) and entrainment (E)]. Any new or ion on the CWIS for review if (1) the design intake flow rate is greater			
For facilities meeting these conditions, the information that is required to be submitted depends on the facility. Indicate the status of the f					
	□ New Facility. In accordance with the Final Rules promulgated by USEPA under 316(b), new facilities meeting these requirements shall su information as specified in 40 CFR 122.21(r) and 40 CFR 125.86. Applicants for new facilities shall compile and submit this information as an attachment to this application form.				
	Existing Facility. Although Final Rules have yet to be promulgated by USEPA for existing facilities that employ CWIS, these facilities still shall meet requirements under Section 316(b) of the Federal Act determined by the DEQ on a case-by-case, best professional judgment basis.				
	For existing facilities, the following is a partial list of technologies and control considered BTA and would meet the performance standards for minimization performance standards for IM, E, or both, is indicated in parenthesis for each	n of IM and entrainment E. Whether a particular BTA meets the			
	 A closed-cycle recirculating system or a CWIS withdrawing intake water (both IM and E). 	r at a rate commensurate with a closed-cycle recirculating system			

- A maximum through-screen design intake velocity at the cooling water intake structure of 0.5 feet per second or less (IM only).
- Submerged cylindrical wedge-wire screens if the following conditions are met: the CWIS is located in a river or stream, sufficient ambient
 counter-currents exist to promote cleaning of the screen face, maximum through-screen design intake velocity is 0.5 feet/second or less, and the
 slot size is appropriate for the size of eggs, farvae, and juveniles of all fish and shellfish to be protected at the site (both IM and E).
- An industrial or commercial facility that has the CWIS located in a river or stream and the CWIS has a design intake flow equal to 5 percent or less
 of the mean annual flow of the river or stream (E only).
- Rotating screens with an automatic fish return system or similar system to increase the likelihood that fish impinged will be returned to the source water with minimal stress (IM only).
- Fish exclusion devices (IM only).

Applicants for existing facilities shall compile and submit all of the information requested below as an attachment to this application form:

- Latitude and longitude in degrees, minutes, and seconds for each CWIS
- 2. The capacity utilization rate and explanation of the rate (if the facility is a power plant)
- 3. A flow distribution and water balance diagram that includes all sources of water to the facility, recirculating flows, discharges, and flow rates
- 4. The mean annual flow of the river or stream if the CWIS is located in a river or stream
- 5. A diagram and narrative description of the configuration and location of each of the CWIS in the waterbody (include trash rack and screen locations and sizes, debris removal systems (e.g., traveling screens and spray wash systems), and other fish exclusion devices)
- 6. A narrative description of the operation of each of the CWIS (include intake flows {design and actual}, daily hours of operation, days of operation per year, seasonal changes in operation, debris removal system operations, and any changes in operation the facility has implemented to reduce intake flows or IM and E)
- 7. A narrative description of the operation of the cooling water system (describe its relationship to the CWIS, the proportion of the design intake flow that is used in the system, the number of days of the year the cooling water system is in operation, seasonal changes in the operation of the system, and any anticipated changes)
- 8. The calculation of the maximum design through-screen intake velocity (the applicant may also submit the maximum actual through-screen velocity)
- 9. A summary of any available data for IM and E (include data, estimates, or descriptions on the volume or number of fish removed by trash removal systems)

Note: If Final Rules are promulgated under 316(b) or the DEQ determines that existing technology and control measures are either insufficient to comply with BTA requirements or requires more evaluation, the applicant may be required to provide further information and/or conduct additional studies. This application may be considered administratively incomplete until that additional information is received. To submit additional information, see Page ii, Item 3. Comments: See the Characterization Report previously submitted in July 2008.